RADIANT

CENTRAL HEATING

PRODUCT CATALOGUE OCTOBER 2011

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DESCRIPTION	CODE

HEATING PIPE

Multilayer Pipe – PEX-b/AL/PEX-b

RIFENG 12mm ID 16mm OD, white in colour (100/300 mtr coils)	B1-1216
RIFENG 16mm ID 20mm OD, white in colour (100 mtr coils)	B1-1620
RIFENG 20mm ID 25mm OD, white in colour (50 mtr coils)	B1-2025
RIFENG 26mm ID 32mm OD, white in colour (50 mtr coils)	B1-2632

Multilayer Pipe – PEX-b/AL/PEX-b with Pre-Insulation (8mm)

RIFENG 12mm ID 16mm OD, red in colour (100 mtr coils)	P1-B1-1216
RIFENG 16mm ID 20mm OD, red in colour (50 mtr coils)	P1-B1-1620
RIFENG 20mm ID 25mm OD, red in colour (50 mtr coils)	P1-B1-2025
RIFENG 26mm ID 32mm OD, red in colour (50 mtr coils)	P1-B1-2632

UNDERFLOOR HEATING PIPE

Non Barrier	**RIFENG PEX-b12mm ID 16mm OD, white in colour (100/300 mtr coils)**	PEX-1216
Multilayer	**RIFENG 12mm ID 16mm OD, white in colour (100/300 mtr coils)**	B1-1216
Barrier	**RIFENG PEX-b12mm ID 16mm OD, red in colour (300 mtr coils)**	EVOH-1216
Barrier	**RIFENG PEX-b16mm ID 20mm OD, red in colour (300 mtr coils)**	EVOH-1620

UNDERFLOOR PIPEWORK COMPONENTS

DESCRIPTION	CODE
Bend Guide	
Pre-formed 90° Bend to guide 1216 pipe exiting floor	511250
Pre-formed 90° Bend to guide 1620 pipe exiting floor	511251
Pressure Test Kit	
Fill valve, pressure gauge, pipe connections	PTK
Elbow Joiner	
Reusable Elbow Joiner, 1 per zone	F248
Piper Joiner	
Brass Coupling for 1216 floor heating pipe	F1-1
Cable Ties	
20mm nylon, packet of 1000	YJ120
40mm nylon, packet of 1000	YJ142
Tie Wire	
Steel Tire wire for Max-Re-Bar, roll	TW897-S
Staple	
40mm Staple for pipe with ID 16-20mm, 1000 per ctn	E2
60mm Staple for pipe with ID 16-20mm, 300 per ctn	E2L
Mounting Rail	
Lengths of 2mtr	4016 T(½)

UNDERFLOOR TOOLS

De-Coiler	
Uncoiler for Pex pipe	UC1
Max Re-Bar Tier	
Available for use upon request	
Tacker Tool	
For stapling of pipes to insulation only to suite E2 & E2L Staple	TAEKOMBI

PEX & MULTILAYER PIPE FITTINGS – BRASS (F1)

	DESCRIPTION	ORDER REF	CODE
	Equal Union	F1-1	F1-S1216*1216 C
		F1-2	F1-S1620*1620 C
		F1-3	F1-S2025*2025 C
		F1-4	F1-S2632*2632 C
	Male Straight Union	F1-5	F1-S1216*½ C
		F1-6	F1-S1620*½ C
		F1-7	F1-S1620*¾ C
		F1-8	F1-S2025*¾ C
		F1-9	F1-S2025*1 C
		F1-10	F1-S2632*1C
	Female Straight Union	F1-11	F1-S1216*½F C
		F1-12	F1-S1620*½F C
		F1-13	F1-S1620*¾F C
		F1-14	F1-S2025*¾F C
		F1-15	F1-S2025*1F C
		F1-16	F1-S2632*1F C
	Reducer	F1-17	F1-S1620*1216 C
		F1-18	F1-S2025*1620 C
		F1-19	F1-S2632*2025 C
	Equal Elbow	F1-20	F1-L1216*1216 C
		F1-21	F1-L1620*1620 C
		F1-22	F1-L2025*2025 C
		F1-23	F1-L2632*2632 C
	Female Elbow	F1-24	F1-L1216*½F C
		F1-25	F1-L1620*½F C
		F1-26	F1-L2025*¾F C
		F1-27	F1-L2632*1F C
	Equal Tee	F1-28	F1-T1216*1216*1216 C
		F1-29	F1-T1620*1620*1620 C
		F1-30	F1-T2025*2025*2025 C
		F1-31	F1-T2632*2632*2632 C
	Female Tee	F1-32	F1-T1216*½F*1216 C
		F1-33	F1-T1620*½F*1620 C
		F1-34	F1-T2025*½F*2025 C
		F1-35	F1-T2025*¾F*2025 C
		F1-36	F1-T2632*1F*2632 C

PEX & MULTILAYER PIPE FITTINGS – NICKLE PLATED (F5) CRIMP TYPE

	DESCRIPTION	ORDER REF	CODE
	Equal Straight Union	F5-1	F5-S1216*1216 II A
		F5-2	F5-S1620*1620 II A
		F5-3	F5-S2025*2025 II A
		F5-4	F5-S2632*2632 II A
	Male Straight Union	F5-5	F5-S1216*1/2 II A
		F5-6	F5-S1216*3/4 II A
		F5-7	F5-S1620*1/2 II A
		F5-8	F5-S1620*3/4 II A
		F5-9	F5-S1620*1 II A
		F5-10	F5-S2025*3/4 II A
		F5-11	F5-S2025*1 II A
		F5-12	F5-S2632*1 II A
	Equal Elbow	F5-13	F5-L1216*1216 II A
		F5-14	F5-L1620*1620 II A
		F5-15	F5-L2025*2025 II A
		F5-16	F5-L2632*2632 II A
	Male Elbow	F5-17	F5-L1216*1/2 II A
		F5-18	F5-L1620*3/4 II A
		F5-19	F5-L2025*1 II A
		F5-20	F5-L2632*1 II A
		F5-21	F5-L2632*1 1/4 II A
	Female Elbow	F5-22	F5-L1216*1/2F II A
		F5-23	F5-L1620*3/4F II A
		F5-24	F5-L2025*1F II A
		F5-25	F5-L2632*1F II A
	Unequal Straight Union	F5-26	F5-S1620*1216 II A
		F5-27	F5-S2025*1216 II A
		F5-28	F5-S2025*1620 II A
		F5-29	F5-S2632*1216 II A
		F5-30	F5-S2632*1620 II A
		F5-31	F5-S2632*2025 II A
	Female Straight Union	F5-32	F5-S1216*1/2F II A
		F5-33	F5-S1216*3/4F II A
		F5-34	F5-S1620*1/2F II A
		F5-35	F5-S1620*3/4F II A
		F5-36	F5-S1620*1F II A
		F5-37	F5-S2025*3/4F II A
		F5-38	F5-S2025*1F II A
		F5-39	F5-S2632*1F II A
		F5-40	F5-S2632*1 1/4 F II A

	DESCRIPTION	ORDER REF	CODE
	Demountable Female Straight Union	F5-41	F5-S1216*1/2F (H) II A
		F5-42	F5-S1620*1/2F (H) II A
		F5-43	F5-S1620*3/4F (H) II A
		F5-44	F5-S1620*1F (H) II A
		F5-45	F5-S2025*3/4F (H) II A
		F5-46	F5-S2025*1F (H) II A
		F5-47	F5-S2632*1F (H) II A
	Demountable Male Straight Union	F5-48	F5-S1216*1/2 (H) II A
		F5-49	F5-S1216*3/4 (H) II A
		F5-50	F5-S1620*3/4 (H) II A
		F5-51	F5-S2025*1 (H) II A
		F5-52	F5-S2632*1 (H) II A
	Demountable Male Elbow	F5-53	F5-L1216*1/2 (H) II A
		F5-54	F5-L1620*3/4 (H) II A
		F5-55	F5-L2025*1 (H) II A
		F5-56	F5-L2632*1 (H) II A
	Wall-Plated Female Elbow	F5-57	F5-L1216*1/2F(Z) I A
		F5-58	F5-L1620*1/2F(Z)) I A
		F5-59	F5-L1620*3/4F(Z)) I A
	Equal Tee	F5-60	F5-T1216*1216*1216 II A
		F5-61	F5-T1620*1620*1620 II A
		F5-62	F5-T2025*2025*2025 II A
		F5-63	F5-T2632*2632*2632 II A
	Unequal Tee	F5-64	F5-T1216*1620*1216 II A
		F5-65	F5-T1216*2025*1216 II A
		F5-66	F5-T1620*1216*1216 II A
		F5-67	F5-T1620*1216*1620 II A
		F5-68	F5-T1620*1620*1216 II A
		F5-69	F5-T1620*2025*1620 II A
		F5-70	F5-T2025*1216*2025 II A
		F5-71	F5-T2025*1620*1620 II A
		F5-72	F5-T2025*1620*2025 II A
		F5-73	F5-T2025*2025*1620 II A
		F5-74	F5-T2632*1216*2632 II A
		F5-75	F5-T2632*1620*2632 II A
		F5-76	F5-T2632*2025*2632 II A
	Female Tee	F5-77	F5-T1216*1/2F*1216 II A
		F5-78	F5-T1620*3/4F*1620 II A
		F5-79	F5-T2025*1F*2025 II A
		F5-80	F5-T2632*3/4F*2632 II A
		F5-81	F5-T2632*1F*2632 II A
	End Cap	F5-82	F5-D1216 II A
		F5-83	F5-D1620 II A
		F5-84	F5-D2025 II A
		F5-85	F5-D2632 II A

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	DESCRIPTION	ORDER REF	CODE
	Wing Backs	F5-86	F5-L1216*1/2”F(Z) A - female
		F5-87	F5-L1620*1/2”F(Z) A - female
		F5-88	F5-L1216*1/2”(Z) A - male
	Wing Backs	F5-89	F5b-L1216*1/2(Z2)(Y57) II A
		F5-90	F5b-L1620*3/4(Z2)(Y57) II A
	Double Wall-Plated Female Elbow	F5-91	F5-K1216*1/2"F*1216(Z) II A
		F5-92	F5-K1620*1/2"F*1620(Z) II A

TOOLS FOR PEX & MULTILAYER PIPE FITTINGS (F5) CRIMP

	Pipe Cutter	GJ III
	Plastic Reamer	ZYD2-16-20-25
		ZYD2-20-25-32
	Pipe Bending Tool	WGQ(6in1)
	Internal Bending Spring	WH-1216
		WH-1620
		WH-2632
	Lengthened Manual Pressing Clamp	SYQ14-32B
		SYQ14-20B
	Module for Manual Pressing Clamp	YYQB-1216 II
		YYQB-1620 II
		YYQB-2025 II
		YYQB-2632 II
	Module for Manual Pressing Clamp For (SYQ14-20A)	SYQ14-20A-1216
		SYQ14-20A-1620

DESCRIPTION	CODE

RADIATORS

Radiators Type 21 (6 Port Radiators, with adjustable brackets)

Radiant T21 600mm x 400mm Radiator 697w	876042240
Radiant T21 600mm x 600mm Radiator 1045w	876062240
Radiant T21 600mm x 800mm Radiator 1394w	876082240
Radiant T21 600mm x 1000mm Radiator 1742w	876102240
Radiant T21 600mm x 1200mm Radiator 2090w	876122240
Radiant T21 600mm x 1400mm Radiator 2440w	876142240
Radiant T21 600mm x 1600mm Radiator 2787w	876162240
Radiant T21 600mm x 2000mm Radiator 3484w	876202240

Radiators Type 22 (6 Port Radiators, with adjustable brackets)

Radiant T22 400mm x 600mm Radiator 1009w	814062240
Radiant T22 400mm x 800mm Radiator 1346w	814082240
Radiant T22 400mm x 1000mm Radiator 1682w	814102240
Radiant T22 400mm x 1200mm Radiator 2018w	814122240
Radiant T22 400mm x 1400mm Radiator 2355w	814142240
Radiant T22 400mm x 1600mm Radiator 2691w	814162240
Radiant T22 400mm x 2000mm Radiator 3364w	814202240
Radiant T22 600mm x 400mm Radiator 920w	816042240
Radiant T22 600mm x 600mm Radiator 1380w	816062240
Radiant T22 600mm x 800mm Radiator 1840w	816082240
Radiant T22 600mm x 1000mm Radiator 2300w	816102240
Radiant T22 600mm x 1200mm Radiator 2760w	816122240
Radiant T22 600mm x 1400mm Radiator 3220w	816142240
Radiant T22 600mm x 1600mm Radiator 3680w	816162240
Radiant T22 600mm x 2000mm Radiator 4600w	816202240
Radiant T22 900mm x 600mm Radiator 1876w	819062240
Radiant T22 900mm x 800mm Radiator 2502w	819082240
Radiant T22 900mm x 1000mm Radiator 3127w	819102240
Radiant T22 900mm x 1200mm Radiator 3753w	819122240

RADIATOR ACCESSORIES

Valve Block (Floor)	1260510
Valve Block (Rear)	1260520
Valve Block Nipple 3/4x1/2	299062
Single Block (No Nipple)	1260210

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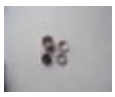
	DESCRIPTION	CODE
	Single Block Angle Valve EA1-15	1260020
	Rad Valve Nut & Olive Pex 16x2RVPC-C162	1071316
	Rad Valve Nut & Olive Cu 15x1 RVC-C	1071615
	Radiator Thermostatic Head SE148GA	1210001
	For thermostatic head SE 148 GA, adjustment protection	1210004
	Thermostatic Radiator valve & Lockshield	19662
	Angle Rad Valve 1/2" Female TVE12 Angle Rad Valve 3/4" Female TVE34-3/4"	1210012 1210034
	Straight Rad Valve 1/2" Female TVD12 Straight Rad Valve 3/4" Female TVD34-3/4"	1211012 1211034
	Angle Rad Valve 1/2" TVE-S12 Angle Rad Valve 1/2" Cu TVE-SC12	1211212 1211312
	Cover Flange 16mm	FLG16
	Straight Lockshield 1/2" Valve RLD/K15ig	1213501
	Angle Lockshield 1/2" RLE/K15ig	1213503
	Rad Air Bleed Plug 1/2" RDT/K 15	1203115
	Radiator Valve Key SS/RDT	1200500
	Radiator Valve Plug 1/2" RTL15	1202015

DESCRIPTION	CODE

WHEEL HEAD & LOCKSHIELD VALVES

Angles & Straights complete with pex connectors

1216*1/2 ER-NM 1000 Radiator	1216*1/2 ER-NM 1000
1216*1/2 ER-NM 1100 Radiator	1216*1/2 ER-NM 1100
1216*1/2 ER-NM 1200 Radiator	1216*1/2 ER-NM 1200
1216*1/2 ER-NM 1300 Radiator	1216*1/2 ER-NM 1300

RADIATOR VALVE KITS

Valve Block (Floor) DA2.15SET	1260510SET
Valve Block (Rear)EA2-15SET *Includes, Valve Block, Cover flange, Pex connectors, & thermo Head*	1260520SET

HEATING CALCULATORS

Angles & Straights complete with pex connectors

Domestic Central Heating Calculator - Metric	3DM
Pipe Flow Calculator (Turbulent)	6PM

DESCRIPTION CODE

HEATED TOWEL RAILS

Chrome - Straight

Width x Height	Output (Watts)	
500mm x 750mm, 18 Bars	230	4021010507-S
500mm x 1192mm, 28 Bars	374	4021010512-S
600mm x 750mm, 18 Bars	276	4021010607-S
600mm x 1192mm, 28 Bars	449	4021010612-S
600mm x 1498mm, 35 Bars	562	4021010615-S

Chrome -Curved

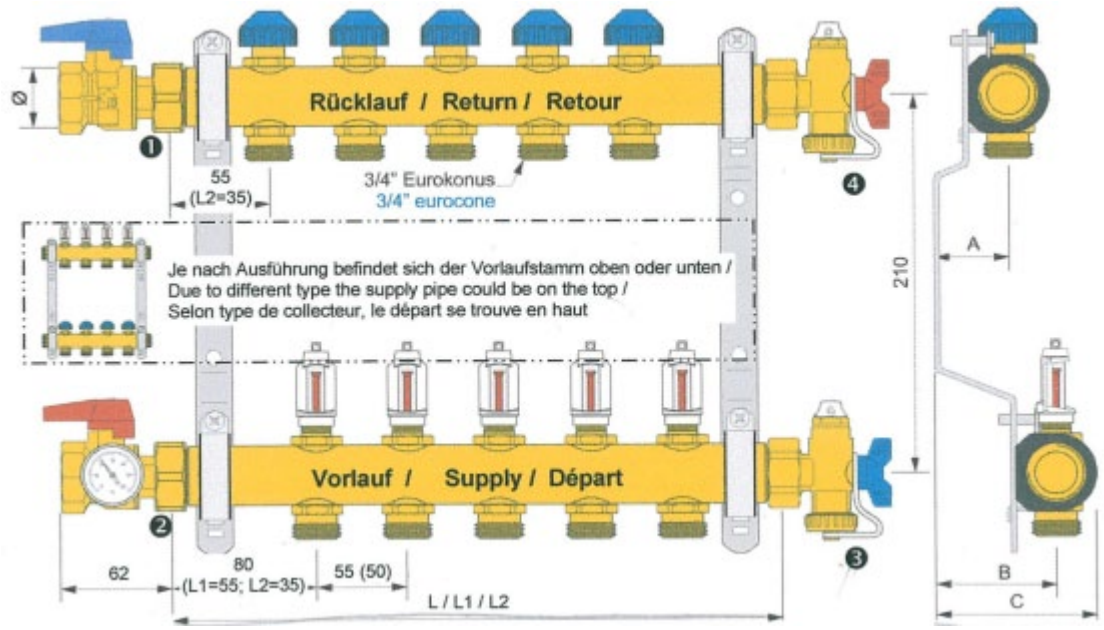
Width x Height	Output (Watts)	
500mm x 750mm, 18 Bars	236	4021010507-C
500mm x 1192mm, 28 Bars	361	4021010512-C
600mm x 750mm, 18 Bars	263	4021010607-C
600mm x 1192mm, 28 Bars	457	4021010612-C
600mm x 1498mm, 35 Bars	570	4021010615-C

CHROME THERMOSTATIC VALVE & LOCKSHIELD SET

Radiator Valves 15mm Straight	17226
Radiator Valves 15mm Angled	17225

RADIANT HEATING MANIFOLDS 1”

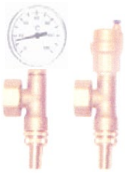
Heating Manifold with Flow Meters & Quickstop for Underfloor Heating 1-4 l/min, 1”

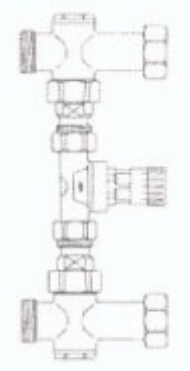


Dimension	1”
A (mm)	30
B (inch)	1,54
B (mm)	64
B (inch)	2,52
C (mm)	86
C (inch)	3,39

DESCRIPTION	CODE
2 Zone manifold only	3811902
3 Zone manifold only	3811903
4 Zone manifold only	3811904
5 Zone manifold only	3811905
6 Zone manifold only	3811906
7 Zone manifold only	3811907
8 Zone manifold only	3811908
9 Zone manifold only	3811909
10 Zone manifold only	3811910
11 Zone manifold only	3811911
12 Zone manifold only	3811912
Underfloor pipe to manifold compression connector, 1216 pipe	F1-C1216*3/4 A
Underfloor pipe to manifold compression connector, 1620 pipe	F1-C1620*3/4 A

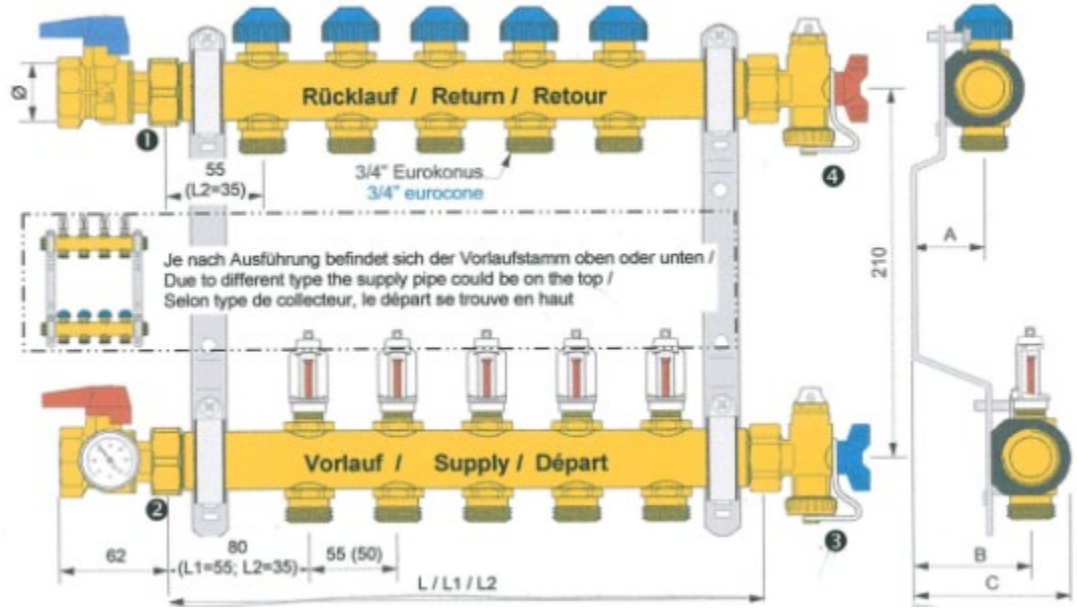
MANIFOLD ACCESSORIES

	DESCRIPTION	CODE
	PowerDrive Actuator 230V No “normally closed” closing measure 11.8mm Female Thread M30 x 1.5	2050600
	PowerDrive Actuator 24V No “normally closed” closing measure 11.8mm Female Thread M30 x 1.5	2050601
	Ball valve set G 1” x 3/4” IG With sleeve nut and gasket	3114060
	Ball valve set G 1" x 1" IG With sleeve nut and gasket	3114049
	Ball valve set G 1" x 3/4" IG With sleeve nut and gasket and Thermometer 0 – 60°C Centigrade	3114055
	Ball valve set G 1" x 1" IG With sleeve nut and gasket and Thermometer 0 – 60°C Centigrade	3114065
	Manifold-end set G 1" With sleeve and gasket. Venting valve 3/8" and draining/filling valve ½"	3036080
	Manifold-end set G 1" type Quattro With sleeve and gasket. Venting valve 3/8" and ball valve Connection thread ¾" euro-cone	3036115
	Manifold-end set G 1" with air vent valve with sleeve and gasket. Automatic air vent valves and draining fitting ball valve ½"	3036095
	**Manifold-end set G 1" with pressure** gauge with sleeve and gasket. 1 piece of manometer 0 – 4 bar 1 piece of venting valve 3/8" and 2 pieces of draining/filling valve ½"	3036070
	Elbow G 1" with sleeve and gasket	3517020

	DESCRIPTION	CODE
	Coupling 1” IG x 1” IG	402178
	Brass-end cap 1”	063064
	Ball valve to shut off individual heating circuits, Length = 61 mm	3114030
	Manifold insulation, delivery includes one insulation for each supply and return, suitable for manifolds with 6 zones, can be cut or added to suit larger or smaller manifolds	5250371
	Manifold extension set, to extend manifolds with 1” male thread with one heating circuit each	4254205
	**Bypass Module**	4402050

RADIANT HEATING MANIFOLDS 1¼ ”

Heating Manifold with Flow Meters & Quickstop for Underfloor Heating 1-6 l/min, 1¼”



Dimension	1¼”
A (mm)	43
B (inch)	1,69
B (mm)	68
B (inch)	2,68
C (mm)	94
C (inch)	3,70

	DESCRIPTION	CODE
	4 Zone manifold only	3814604
	10 Zone manifold only	3814610
	11 Zone manifold only	3814611
	12 Zone manifold only	3814612
	13 Zone manifold only	3814613
	14 Zone manifold only	3814614
	Underfloor pipe to manifold compression connector, 1216 pipe	F1-C1216*¾A
	Underfloor pipe to manifold compression connector, 1620 pipe	F1-C1620*¾A
	Manifold-end set G 1¼" with sleeve and gasket. Venting valve 3/8" and draining/filling valve ½"	3123060
	Manifold-end set G 1¼" with pressuregauge with sleeve and gasket. 1 piece of manometer 0 – 4 bar 1 piece of venting valve 3/8" and 2 pieces of draining/filling valve ½"	3123061
	Coupling 1¼ " G x 1¼" G	3290010
	Ball valve set 1¼" x 1" With sleeve nut and gasket	3126099

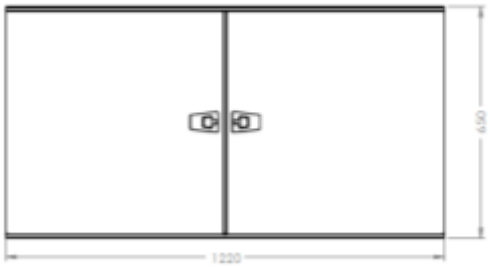
Auckland: Telephone (09) 298 8955
Fax (09) 298 8989

Christchurch: Telephone (03) 341 1271
Fax (03) 341 1270

ACCESSORY COMPONENTS

DESCRIPTION	CODE
Temperature Gauge 63mm 0 - 120°C Bimetal dial indicator thermometer, self sealing	0301043
Temperature Gauge – Strap on Bimetal dial indicator thermometer	0308060
Temperature Pressure Gauge 0-4 bar, 0 - 120°C	0332004
Pressure Gauge post type, 0 – 4 bar	0319304
½" Auto air vent MV15	0250215
3/8" Auto air vent	0250120
3/8" Manual air vent	1203110
½" Manual air vent	1203115
SVH/E30 ½" 3 bar pressure relief valve	0215130
Pressure limiting valve with gauge **½" Pressure limiting valve**	0240215
½" Drain – fill valve	0553116
3/8" Bung	1202010
½" Bung	1202015
3/8" x ½" reducing bung	1201100
Ball valve ½" union type	0557015
Ball valve ¾" union type	0557020
Ball valve 1" union type	0557025
KSB 30/N Safety unit Brass body, 1" connection Integrated air vent & Safety relief valve, 3.0 bar	0272030
Two-way brass valve, 1"	3148255
Three-way brass valve, 1"	1209540
Automatic Temp. Control Central Heating Boilers and cylinders. Range 30-90°C. TC100/AN	0406111
Watts Thermostatic Head & Probe 20-70°C	1210006
Differential pressure by-pass valve USVR16	0265216
7 litre Zilmet Expansion Tank 490mm x 200mm x 75mm 3/8G	13N600713

RADIANT HEATING CABINETS - POWDER COATED

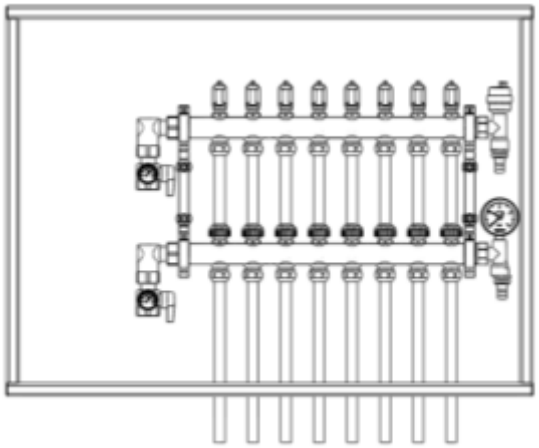


DESCRIPTION	CODE
Width x Height x Depth	
525mm x 650mm x 145mm	RHC 525
700mm x 650mm x 145mm	RHC 700
875mm x 650mm x 145mm	RHC 875
1050mm x 650mm x 145mm (Double Door)	RHC 1050DD
1220mm x 650mm x 145mm (Double Door)	RHC 1220DD

RADIANT CENTRAL HEATING DISTRIBUTION PANEL - BASIC

Includes:

- Manifold
- End set with pressure gauge 0-4 bar,3/8" Auto air, ½" draining/filling valve
- Ball valve set with thermometer 0-60°C
- G1" Elbow
- Underfloor to pipe manifold compression connector
- Assembled in powder coated Radiant Heating Cabinet

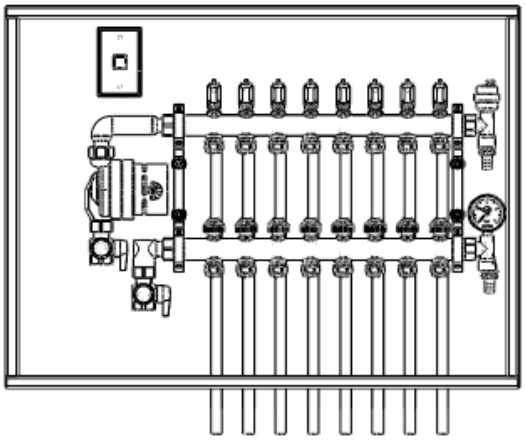


DESCRIPTION	CODE
Width x Height x Depth	
2 Zone 525mm x 650mm x 145mm	RHC-2Z
3 Zone 525mm x 650mm x 145mm	RHC-3Z
4 Zone 525mm x 650mm x 145mm	RHC-4Z
5 Zone 700mm x 650mm x 145mm	RHC-5Z
6 Zone 700mm x 650mm x 145mm	RHC-6Z
7 Zone 700mm x 650mm x 145mm	RHC-7Z
8 Zone 875mm x 650mm x 145mm	RHC-8Z
9 Zone 875mm x 650mm x 145mm	RHC-9Z
10 Zone 875mm x 650mm x 145mm	RHC-10Z
11 Zone 1050mm x 650mm x 145mm (Double Door)	RHC-11Z
12 Zone 1050mm x 650mm x 145mm (Double Door)	RHC-12Z

RADIANT CENTRAL HEATING DISTRIBUTION PANEL – 1 PUMP

Includes:

- Manifold
- End set with pressure gauge 0-4 bar,3/8" Auto air, ½" draining/filling valve
- Ball valve set with thermometer 0-60°C
- G1" Elbow
- WILO 15/6 (6 Meter head) pump
- Electrical wiring & switch
- Underfloor to pipe manifold compression connector
- Assembled in powder coated Radiant Heating Cabinet

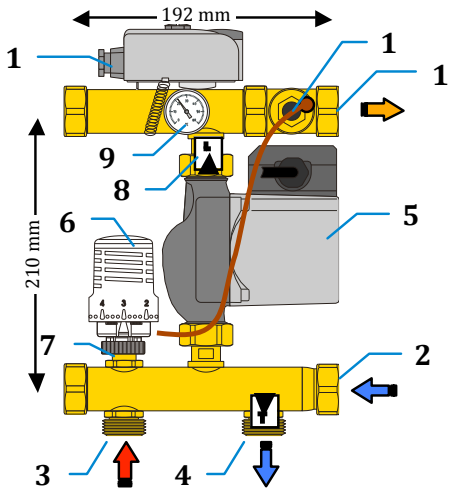


DESCRIPTION	CODE
Width x Height x Depth	
2 Zone 525mm x 650mm x 145mm	RHC-2ZP
3 Zone 525mm x 650mm x 145mm	RHC-3ZP
4 Zone 525mm x 650mm x 145mm	RHC-4ZP
5 Zone 700mm x 650mm x 145mm	RHC-5ZP
6 Zone 700mm x 650mm x 145mm	RHC-6ZP
7 Zone 700mm x 650mm x 145mm	RHC-7ZP
8 Zone 875mm x 650mm x 145mm	RHC-8ZP
9 Zone 875mm x 650mm x 145mm	RHC-9ZP
10 Zone 875mm x 650mm x 145mm	RHC-10ZP
11 Zone 1050mm x 650mm x 145mm (Double Door)	RHC-11ZP
12 Zone 1050mm x 650mm x 145mm (Double Door)	RHC 12ZP

WATTS FRG 3015-F WATER FLOW CONTROL PANEL

Includes:

- Manifold
- Wilo circulation pump
- End set with pressure gauge 0-4 bar,3/8" Auto air, ½" draining/filling valve
- Flow & return connections, left hand side; up to 15kW
- Pre-wired
- Underfloor to pipe manifold compression connector
- Assembled in powder coated Radiant Heating Cabinet



1	Floor heating supply (1" UM)
2	Floor heating return (1" UM)
3	Boiler Supply (1" AG)
4	Boiler Return (1" AG) - with check value (RV)
5	Circulation Pump
6	Thermostatic Head
7	Injection / mixing valve
8	Check Value (RV)
9	Supply temperature thermometer
10	Temperature limiter (optional)
11	Z-type fitting with immersion sleeve for supply temperature sensor

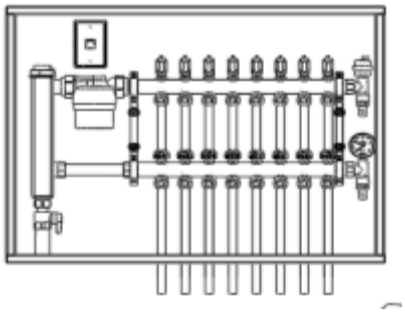
To upgrade to 28kW version with standard pump (Wilo 15/6) an extra
To upgrade to 28kW version with larger pump (Wilo TOP-S 25/7) an extra

DESCRIPTION Width x Height x Depth	CODE
2 Zone 525mm x 650mm x 145mm	FRG-2
3 Zone 525mm x 650mm x 145mm	FRG-3
4 Zone 700mm x 650mm x 145mm	FRG-4
5 Zone 700mm x 650mm x 145mm	FRG-5
6 Zone 700mm x 650mm x 145mm	FRG-6
7 Zone 875mm x 650mm x 145mm	FRG-7
8 Zone 875mm x 650mm x 145mm	FRG-8
9 Zone 875mm x 650mm x 145mm	FRG-9
10 Zone 1050mm x 650mm x 145mm (2 Doors)	FRG-10
11 Zone 1050mm x 650mm x 145mm (2 Doors)	FRG-11
12 Zone 1050mm x 650mm x 145mm (2 Doors)	FRG-12

LOW TEMPERATURE, LOW LOSS HEADER, CONTROL PANEL (*ENVIRO* PLUS HEAT PUMP / CONDENSING BOILER)

Includes:

- Manifold
- Wilo circulation pump
- End set with pressure gauge 0-4 bar,3/8" Auto air, ½" draining/filling valve
- Low loss header
- Flow & return connections, left hand side
- Underfloor to pipe manifold compression connector
- Assembled in powder coated Radiant Heating Cabinet



DESCRIPTION	CODE
Width x Height x Depth	
2 Zone 525mm x 650mm x 145mm	LL-2
3 Zone 700mm x 650mm x 145mm	LL-3
4 Zone 700mm x 650mm x 145mm	LL-4
5 Zone 700mm x 650mm x 145mm	LL-5
6 Zone 875mm x 650mm x 145mm	LL-6
7 Zone 875mm x 650mm x 145mm	LL-7
8 Zone 875mm x 650mm x 145mm	LL-8
9 Zone 875mm x 650mm x 145mm	LL-9
10 Zone 1050mm x 650mm x 145mm (2 Doors)	LL-10
11 Zone 1050mm x 650mm x 145mm (2 Doors)	LL-11
12 Zone 1050mm x 650mm x 145mm (2 Doors)	LL-12

DESCRIPTION	CODE

INDIVIDUAL ZONE CONTROL, CONTROL PANEL UP-GRADE

Pre-wired Actuator Zone Module (LAING ZK12) Kit Price

Starting kit for pre wired zone module Including LAING ZK12, main isolating switch.	9500434-IS
PowerDrive Actuator 230V includes wiring one per zone	2050600-W
PowerDrive Actuator 24V includes wiring one per zone	2050601-W

TEMPERATURE CONTROL

Siemens Standard Electronic Room Thermostats

Room temperature controller with 7-day time switch, LCD and opt. remote temperature sensor	RDE 20.1
Electronic manual thermostat	RDD 10.1
Thermistor Probe, 10 metre lead for RDE 20.1	S983 3K

Other Thermostats

Siemens Bi Metal (manual) thermostat	RAA20
Siemens Blind (tamperproof) thermostat	RAA10

Watts Thermostats

Pipe mount WATTS contact thermostat with heat-resistant plastic casing, installation via tensioning belt to pipes up to 2” Adjustment range 30-90°C, external adjustment	0404302
Watts Thermostatic Head & Probe 20-70˚C	1210006

Heating Zone Control

	PowerDrive Actuator 230V No “normally closed” closing measure 11.8mm Female Thread M30 x 1.5	2050600
	PowerDrive Actuator 24V No “normally closed” closing measure 11.8mm Female Thread M30 x 1.5	2050601
	LAING ZK 12 – Zone connection module for the connection of max. 6 room thermostats and max 12 actuators with Integrated pump shut-off when all actuators are closed.	9500434

HEATPUMPS – AIR TO WATER UNDERFLOOR

Enviro *Plus* Floor Heat Pump

DESCRIPTION	CODE
Enviro 7 Floor, 7kW (single phase)	EPF7-1
Enviro 10 Floor, 10kW (single phase)	EPF10-1
Enviro 14 Floor 25/7 Pump, 14kW (single phase)	EPF14-1
Enviro 14 Floor 25/7 Pump, 14kW (3 phase)	EPF14-3
Enviro 22 Floor, 22kW (3 phase)	EPF22-3

Pump upgrade for EPF10 – WILO 25/7
Pump upgrade for EPF14 – WILO 30/10

These heat pumps are designed to be connected to Radiant Central Heating's low loss header control panel.

HEATPUMPS – AIR TO WATER SWIMMING POOL

Enviro *Plus* Pool Heat Pump

DESCRIPTION	CODE
Enviro 11 Pool, 11kW	EPP-11-1
Enviro 17 Pool, 17kW	EPP-17-1
Enviro 23 Pool, 23kW	EPP-23-1
Enviro 23 Pool, 23kW (3 phase)	EPP-23-3

GAS BOILERS

HEATLINE Compact Standard Efficiency System Boiler

DESCRIPTION	CODE
Heatline SEDBUK D-Rated S20S, 20kW	1006412193
Heatline SEDBUK D-Rated S30S, 30kW	1006432193
Flues 'D' Rated	
Std. Horizontal flue kit 705mm, 90° bends & seal	9103201012
Std. Vertical flue kit 1280mm, termination cover & connector Note: 800mm usable length to outside of roof, allow for 400mm above roof overall length 1200mm.	3003200393
Flue Accessories 'D' Rated	
Extension 1000mm 1.5mm gauge	3003202422
87 - 90° Bend	30086584
43 - 45° Bend	30083555
LPG Conversion Kit	

HEATLINE SARGON High Efficiency Premix Condensing Boiler

DESCRIPTION	CODE
Heatline SEDBUK-A Rated S30S, 30kW	1006134121
Flues 'A' Rated	
Std. Horizontal flue kit 705mm, 90° bends & seal	9103200961
Std. Vertical flue kit 1280mm, termination cover & connector *Note: 800mm usable length to outside of roof, allow for 400mm above roof overall length 1200mm.*	3003200393
Flue Accessories 'A' Rated	
Extension 1000mm	3003202431
90° Bend	3003202425

DESCRIPTION	CODE

DIESEL BOILERS

Quatech System Boilers
Includes Cast Iron Heat Exchanger

Quatech 19kW System Boiler	1249190001
Quatech 27kW System Boiler	1249270001
Quatech 35kW System Boiler	1249350001
Quatech 41kW System Boiler	1249410001
Quatech 53kW System Boiler	1249530001
no expansion vessel included in 53kW model only	

Balance Flue Boiler to come

Quatech Basic Boilers
No burner, no pump, heat exchanger and case only

Quatech 19kW Basic Boiler	1248327032
Quatech 27kW Basic Boiler	1248335032
Quatech 35kW Basic Boiler	1248341032
Quatech 41kW Basic Boiler	1248353032
Quatech 53kW Basic Boiler	1248360032

Flue Sets – System & Basic

Diesel Boiler Flue Set 125mm (19 - 41kW)	Flueset125
Diesel Boiler Flue Set 150mm (53 - 80kW)	Flueset150

Flue Components

125mm Silencer Tee	DBST125
150mm Silencer Tee	DBST150

DESCRIPTION	CODE

SOLID FUEL BOILERS

Includes Fan, can be used on open vented or closed systems
(Heat exchanger needed as listed for closed systems)

Solitech Plus 5F Solid Fuel Boiler 30 - 42kW	1262000115
Solitech Safety Heat Exchanger	7350003004

Flue Sets

Solitech S/S Flue Set 3.6 175/225/275 (Includes Y Branch 175/160mm, 160mm Elbow 45°, 175mm Flue)	SFS3-6MS/S

Flue Components

RADIANT 'Y' Branch 175/160mm S/S	YBRANCH
RADIANT 160mm Elbow, 45°	160ELB

ACCESSORIES FOR DIESEL & SOLID FUEL BOILERS

DESCRIPTION	CODE
10mm x 50mm PEX Oil Pipe	13105
15mm x 50mm PEX Oil Pipe	13107
10mm Insert for Oil Pipe	13113
15mm Insert for Oil Pipe	13114
12 Flex Oil Hose 1/4M x 1/4F	10820
36 Flex Oil Hose 1/8F x 1/4M 90° Elbow	15876
¼ BSPTMX x 3/8 BSPM Oil Line Adaptor	13518
VU1. Universal Oil Pump	16393
Fuel Filters	10819
Oil Tape White on Brown 38mm x 33mm	13616
Thermal Safety Drain 1300mm capillary tube, STS 20	0232120
Marker Tape "CAUTION OIL PIPE BELOW"	17079
Apollo Oil Tank Level Gauge	17899

Heating & Hot Water Control Pack

Danfoss 'S' Plan Base unit, 7 day programme controller, cylinder sensor 2 x 2 port zone valves, 22mm, 2 actuators & 1m cable	16258
Two-way brass valve,1"	3148255
Three-way brass valve, 1"	1209540

Fire Valves

Lever Action Fire Valve Kit, 3/8" BSP	10815
Fusible Link for Fire Valve Kit	16682
¼" Thermostatic Fire Valve, 3m, 65°	16702
¼" Thermostatic Fire Valve, 6m, 65°	18435
¼" Thermostatic Fire Valve, 9m, 65°	18436
Hand Wheel Fire Valve, 3/8" x 3/8" BSP	10809

Tools

Kane 425 Flue Gas Analyser Kit	18524
IRT206 Infra-Red Thermometer	18941
Testo Smoke Pump with Cone	17393
Filter Papers, PK40 for Testo Smoke Pump	17886

DESCRIPTION	CODE

Expansion Tanks

8 Litre Expansion Tank MAG-H8	611008
12 Litre Expansion Tank MAG-H12	611012
18 Litre Expansion Tank MAG-H18	611018
24 Litre Expansion Tank MAG-H24	611024
7 litre Zilmet Expansion Tank 490mm x 200mm x 75mm 3/8G	13N600713

Vessel Connection Set

Installation unit to connect expansion vessels for closed Heating installations; includes Auto Air MV 10R, Safety Relief Valve 3bar, Pressure Gauge MHR 63/4-3/8 With automatic shut off	0606112

LEAK SEALERS & INHIBITOR

Sentinel X 100 inhibitor, concentrate 275ml. Recommended dosage for concentrate is 0.3% of system volume that is or 100 litre of system water.	16943
Sentinel internal leak sealer, 1 litre	12764
Cura Inhibitor, 1 litre	18846
Boss White, 400 gm Tub	6878

WILO PUMPS

Star RS, TOP-S, Glandless Circulating Pumps – Cast Iron Body

RS 15/6-130, 230V	9010856
RS 25/6-130, 230V	9010840
RS 25/6-180, 230V	9010700
TOP-S 25/7-180, 230V	9002580
TOP- S 30/10-180, 230V	9002595

Wilo-Intec, Glandless Bronze Domestic / Solar Pump – Bronze Body

Z 15/6-3, 230V	PW1326

DESCRIPTION	CODE

LAING REPLACEMENT PUMPS

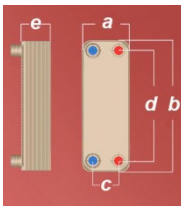
ATM1eco Replacement Pump for EP and EPR 6/9/12/15 (without switch with external capacitor)	2400601
ATM3eco Replacement Pump for EPR 6/9/12/15 Power consumption 99W	2400603
ATM2eco Replacement Pump for BM2	2400602

DESCRIPTION CODE

BRAZED PLATE HEAT EXCHANGERS

Max Pressure (Mpa)	3
Test Pressure (Mpa)	4.5
Volume Per Channel (L)	0.02
Exchange area (ºC)	0.14
Max Temp (ºC)	225

Max Output	
10kW	BL 14-10
20kW	BL 14-20

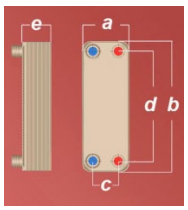


a	76 / 80
b	206 / 190
c	42 / 40
d	172 / 154
e	10 + 2.3n

*Measurement in mm (n= number of plates)

Max Pressure (Mpa)	3 / 4.5
Test Pressure (Mpa)	4.5 / 6.7
Volume Per Channel (L)	0.05
Exchange area (ºC)	0.26
Max Temp (ºC)	225

Max Output	
20kW	BL 26-10
40kW	BL 26-20
80 kW	BL 26-40



a	111
b	310
c	50
d	250
e	10 + 2.3n

TITANIUM TUBE SHELL HEAT EXCHANGER

13kW	45000
20kW	70000
26kW	90000
Ideal for Solar applications	

DESCRIPTION	CODE

RENEWABLE ENERGIES

SOLAR ball valve

Universal use for sanitary, solar and heating installations, self-sealing connection ½", full bore, PN 10, hot-pressed brass MS 58 with threaded hose coupling, with KTW-tested seals, can be used up to a maximum of 160°C.	
KFE15SD UNI	0553615

SOLAR automatic air vent

For solar heating systems, body made of hot-pressed brass CW617N, mechanics made of impact and temperature resistant plastic, water resistant, suited for water-glycol composites and neutral, non-sticking fluids, Maximum operating temperature 160°C.	
MV15 SOL1/2"	0249115

SOLAR safety relief valve

Made of hot-pressed brass CW617N, revolving cap made of high-quality, impact and temperature resistant plastic, steel spring, membrane and seals hot-water resistant, suitable for water, water-glycol composites and neutral, non-sticking fluids, maximum operating temperature 160°C, connections 1/2" x 3/4", solar approved, code letter SOL	
SV/E15 SOL 8 Bar	0215880
SV/E15 SOL 10 Bar	0215899

QuickFill rise, filling and drain fittings

Easy filling and rising of heating, solar or heat pump circuits. Brass body, short installation length, any installation position.	
DN 15 ¾" Male	3499625

Thermostatic mixing valve SOLAR

For drinking water installations. Adjustment range 30 - 65 °C, factory setting 50 °C, serves as scalding protection, brass body, max. hot water supply 110 °C, flow rate 63 l/min at 3 bar. 1" AG with connection fittings. Any installation position. In accordance with EN 1111 and EN 1287	
MMV-S 20 Connection fittings 3/4"	0559455

PRODUCT WARRANTIES

From the date of purchase and subject to exclusions and conditions as listed below:

RADIANT Central Heating Limited warrants all:

- Underfloor pipe installed in the concrete slab to be free from manufacturing defects for a period of 20 years with an expected aged life of greater than 50 years.
- Compression & crimp fittings for a period of 10 years.
- Radiator pipe and panel for a period of 10 years.
- Boilers for a period of 3 years.
- Enviro Plus Heat Pumps for a period of 2 years.
- Underfloor Control Panels for a period of 5 years; with the exclusion of circulation pumps, 2 years.
- Heating & sundry valves for a period of 2 years.
- Heat exchangers for a period of 2 years.

WARRANTY EXCLUSIONS & CONDITIONS

If any fault arising from manufacturing process is found in a new product, it must be returned to Radiant Central Heating within the stated warranty period for that product for inspection and or testing. Radiant Central Heating will repair or exchange the product at its sole discretion. Any cost associated with the removal, replacement and return of any faulty product are not accepted without prior arrangement with Radiant Central Heating.

Warranty does not apply where faults arise from:

- Normal wear and tear of perishable components.
- Normal maintenance, cleaning or tuning requirements or faults that are a result of minimum maintenance requirements not being followed.
- Foreign matter in the water supplies.
- Water supplies that do not meet normal expected municipal water quality standards.
- Installation manner not in accordance with the manufactures recommendations.
- Environment operating conditions that are outside the minimum and or maximum recommendations.

Evidence must be produced which confirms the relevant product was purchased from Radiant Central Heating to validate any claim.

RADIANT CENTRAL HEATING FREIGHT POLICY

Orders $3,000.00 ex GST and over are sent freight free with the exception of the Enviro Plus Floor and Pool Heat Pumps

RADIANT CENTRAL HEATING LOAN TOOL POLICY

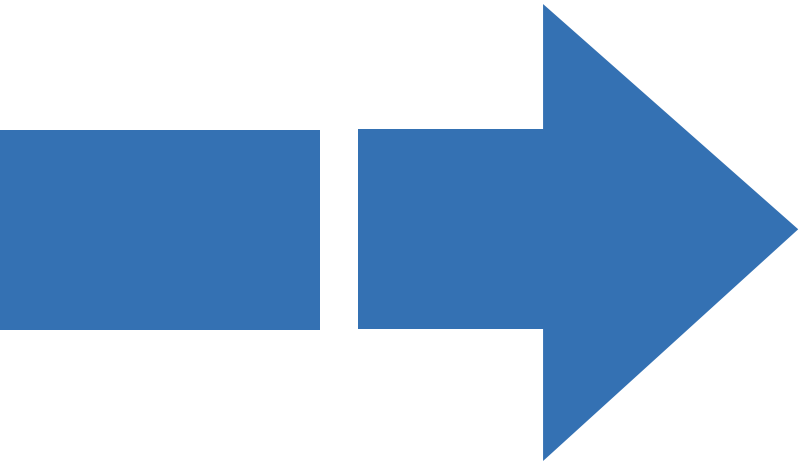
The customer is responsible for the tools from the time they are delivered by Radiant Central Heating or collected by the customer, and only ends when the goods are back in the possession of Radiant Central Heating and have been checked by Radiant Central Heating staff for loss or damage. The customer's responsibility includes the safekeeping and protection of all goods whilst in their care. Any items left at an unattended premises are at the customer's risk.

Upon return of the goods, any losses or breakages will be reported to the customer within 3 working days of return and charged at cost of repair or replacement.

WHO IS RADIANT CENTRAL HEATING?

We are New Zealand's longest-standing supplier of radiant floor and panel heating products. Our range, including heat pumps, has been carefully sourced and developed exclusively for the New Zealand market, and our technical expertise and service support, both during planning and after sales, is second to none.

For more information about our company, our products or the benefits of a wonderful warm floor & home, please feel free to contact us:



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